



OPTA

Online Process Tracer and Analyzer

For all HP Guardian and OSS Nonstop(Tandem) applications, OPTA is able to Intercept, Trace and Process System procedure calls made to the Nonstop Kernel operating system, with NO application source code changes. OPTA supports ALL Nonstop applications types, TNS, TNS/R and TNS/E and supports ALL Nonstop Native and Non-Native programming languages.

The OPTA product includes the following capabilities;

OPTA-Trace

- OPTA-Trace is an enhanced Tracing and Debugging utility used to view application procedure calls made to the Nonstop Kernel operating system.
- Nonstop Kernel System procedure information captured by OPTA-Trace includes;
 - Parameter contents, Condition codes, Return values.
 - Inter-Process Communication(IPC), TMF usage, Pathway ServerClass_Send_
 - Nonstop programming procedures, Nowait-IO procedures, Enscribe Input-Output
 - C / OSS programs - dynamic memory management functions (malloc, free, calloc, etc).

OPTA-LowPin Optimizer

- OPTA-LowPin Optimizer reduces System Low Pin Process creation failures by efficiently re-directing and balancing Low Pin Process Creation requests across all CPUs.

OPTA-Alert

- OPTA-Alert is used to view application STARTUP(Startup(-1), Assign(-2), Param(-3) messages and DEFINES) information and Process application TERMINATION requests.
 - For all applications(customer, third-party and Tandem), OPTA-Alert can Generate an EMS message and Invoke a Trigger for additional Termination processing.

OPTA-Help

- OPTA-Help is used to Display or Add metadata to application program object files.
 - Metadata can be Help, Startup, Shutdown, Recovery instructions or Software versioning information.

OPTA Supports;

- > HP Nonstop environments – TNS, TNS/R and TNS/E.
- > Non-Native Programming languages - File code 100 (TAL, COBOL, SCOBOL, C, C++, etc).
- > Native Programming languages - File codes 700 & 800 (epTAL, eCOBOL, C, C++, Java, NMC, cCOMP, etc).
- > Guardian, OSS and Third-party applications and Tandem Utilities – TACL, FUP, etc.
- > Certified for HP Integrity Nonstop Servers.

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